

## OIL & GAS FLUID TREATMENT



**PENETONE 7302M** is an oil-soluble, surfactant-based friction reducer designed for use in oil pipelines with flow restriction due to high wax and asphaltene content or high viscosity. It can also be used to reduce drag and turbulent flow regimes in oil producing wells with low water content. **PENETONE 7302M** improves laminar flow through viscosity control, wax and asphaltene inhibition, and reduction of frictional drag against the internal pipeline wall.

**PENETONE 7302M** can also be used as an additive in pipeline pigging applications to improve wax and asphaltene dispersion as well as prevent re-deposition. It will also prime internal pipeline surfaces for water-rinsing.

## DIRECTIONS FOR USE

Treatment rates will vary depending on location and situation. Typically, 100 to 500 ppm<sub>v</sub> via continuous injection is effective to improve flow.

For pipeline pigging applications, use 0.5-1.0% v/v in cutter stock such as diesel or light cycle oil.

# PENETONE 7302M

## FRICION REDUCING AGENT

### PHYSICAL PROPERTIES

Appearance	Clear, brown liquid
Odour	Solvent/aromatic
Specific Gravity @ 20°C	0.800-0.900
Viscosity	Not available
pH	Not applicable
Flash Point (TCC)	<37.8°C (<100°F)
Boiling Point	Approx. 138°C (280°F)
Freezing Point	Approx. -40°C (-40°F)
Auto ignition temperature	Approx. 432-530°C (810-986°F)
Water Solubility	Emulsifies
Active Content	100%

### INCOMPATIBILITY

Acids, oxidizing agents

### WAREHOUSING PRECAUTIONS

Keep containers tightly closed away from direct sunlight in a dry, cool and well-ventilated place, away from incompatible materials.

### AVAILABLE SIZES

			
205L	1000L		

### FIRST AID MEASURES

#### EYE CONTACT

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

#### SKIN CONTACT

Wash with plenty of water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.

#### INHALATION

If difficulties occur after fume/gas/mist/vapors/spray has been inhaled, remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

#### INGESTION

Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

### HEALTH

2

### FLAMMABILITY

2

### REACTIVITY

0

#### LEGEND

0 = MINIMAL RISK  
1 = SLIGHT RISK  
2 = MODERATE RISK  
3 = SERIOUS RISK  
4 = SEVERE RISK

### PERSONAL PROTECTION Security equipment



WHMIS



**IMPORTANT:** Before using PENETONE 7302M, always be sure to read and follow precautions and directions for use appearing on the product container label and on the safety data sheet (S.D.S).



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